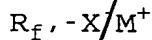


Sub B1

1. A process for the synthesis of chlorotrifluoroethylene (PCTFE) (co)polymers, containing at least 80% by moles of CTFE, the complement to 100 being one or more fluorinated monomers, preferably the complement to 100 is formed of one or more perfluorinated monomers, characterized in that the reaction medium comprises (per)fluoropolyoxyalkylene microemulsions wherein the fluorinated surfactant is salified with sodium and/or potassium and an inorganic potassium and/or sodium initiator.

2. A process according to claim 1, wherein the fluorinated surfactant is selected from the products of general formula



wherein R_f is a $\text{C}_5\text{-C}_{14}$ (per)fluoroalkyl chain, or a (per)fluoropolyoxyalkylene chain, X^- is $-\text{COO}^-$ or $-\text{SO}_3^-$, M^+ is selected between Na^+ and K^+ .

3. A process according to claim 2, wherein M^+ is preferably K^+ .

4. A process according to claims 1-3, wherein potassium inorganic initiators are preferred.

5. A process according to claim 4, wherein the potassium inorganic initiator is potassium persulphate.

6. A process according to claims 1-5, wherein the tempera-

ture is in the range 0°C-150°C and the pressure is in the range 3-80 bar.

Sub. ^{7.}
B2

A process according to claim 6, wherein the temperature ranges between 10°C and 70°C and the pressure between 4 and 20 bar.

A 8.

A process according to ~~claims 1-7~~, wherein the presence of liquid CTFE in the reaction medium is preferred.

Add B37